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[Redacted]
Post Office Box 8031
Southwest Station
Washington, D.C. 20024

Gentlemen:

Due to other work committments, we were unable to respond to your RFQ number RD-8-68, Project No. 02318. In accordance with the cover letter accompanying this RFQ, we are returning herewith the RFQ and related correspondence.

Thank you for the opportunity to submit our bid for this requirement. Please retain our company on your bidding list for future requirements of this type.

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Encl.

Declass Review by NGA.

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Post Office Box 6788
Fort Davis Station
Washington, D. C. 20020

R E G I S T E R E D

24 OCT 1967

Subject : Request for Proposal No. RD-8-68
Project No. 02318

Gentlemen:

This office has a requirement for the design and fabrication of a prototype common stage mechanism to be used as an attachment to a [] High-Power Stereoviewer. Your review of the enclosed "DEVELOPMENT OBJECTIVES - Common Stage for [] High-Power Stereoviewers" is requested and a technical proposal and cost and price quotation on this program is solicited.

Prior to the submission of your proposal if a conference is desired between your technical representatives and the technical representatives of the Government you may arrange for such a conference by contacting []

Your technical proposal and cost quotation should be submitted no later than 24 November 1967 unless a later date is requested of and authorized by []. It is requested that your proposal be accompanied by a cost analysis breakdown to assist in evaluating your quotation. This cost breakdown may be prepared on Form DD-633 or a substantially similar form. Two copies of the proposal should be forwarded directly to the Contracting Officer. Three copies should be forwarded to the Technical Representative of the Contracting Officer at the following address:

[]
Post Office Box 8031
Southwest Station
Washington, D. C. 20024

NOTICE
This material contains information affecting the national defense of the United States within the meaning of the espionage laws, Title 18, USC, Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

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Subject: Request for Proposal No. RD-8-68
Project No. 02318

The enclosed development objectives may be considered DE-CLASSIFIED when removed from this covering letter which may NOT be de-classified. Government interest may be shown, however, association of this Government activity with this request is classified CONFIDENTIAL. In this connection, knowledge of the identity of the particular Government activity which the undersigned represents must be restricted to the least number of persons possible and then only to those who have been authorized in writing by this activity to have access to classified information. Such identity shall be disclosed only on a verbal basis and shall never appear in writing in any of your documents. Any correspondence initiated by you should not make reference therein to the undersigned. "Secrecy Agreements" should be signed by any individual in your company who will have knowledge of this request.

If it is desired to proceed with this contemplated program with your company, the authorization will be effected by the issuance of the appropriate type of Government Contract.

At the time of submitting the requested proposal(s) please return this letter, together with all enclosures, to the undersigned at the address stipulated above, Attention: If you do not elect to submit a proposal, this letter and all correspondence should also be returned.

Very truly yours,

/ Contracting Officer

Enclosures:

1. Development Objectives (2 copies)
2. Specification No. DB-1001 (2 copies)

29 September 1967

DEVELOPMENT OBJECTIVES

Common Stage for [] High-Power Stereoviewers (Alignment Device for Stereoviewers)

1. INTRODUCTION

These development objectives describe the requirements to be met in the design and fabrication of a common stage mechanism to be used as an attachment to a [] High-Power Stereoviewer.

2. GENERAL DESCRIPTION

The present [] High-Power Stereoviewer has two independent chip stages, each capable of motion along the X, Y and Z (stage focus) axes of the instrument. However, it is often desirable to translate both film chips concurrently in X and Y in order to scan large areas. This modification is intended to provide this capability without destroying the necessary differential (independent) X and Y motions and the present precision stage focusing capabilities.

The device would permit simultaneous (common) movement of both film chips under the objectives of the Stereoviewer and, at the same time, permit small independent motions of one film chip with respect to the other in order to provide differential orientation of the stereo pairs. The design is intended to minimize the time necessary to re-establish a stereo model when moving from one location to another while viewing the chips.

One possible configuration for this device might consist of a fixture, mounted between the two stages of the Stereoviewer, that would maintain a fixed relationship between the film chips viewed on the stages. The film chips will be placed on the fixture for viewing; moving one stage along either the X or Y axis will cause the same motion to occur in both the film chips simultaneously. Also, incorporated in the fixture will be some means of obtaining a differential motion along the X and Y axes of one stage. The stage focus capability shall remain unchanged and the independent focusing of each stage shall be retained.

3. REQUIREMENTS

3.1. Mechanical

3.1.1. The fixture shall be compatible with existing [] High-Power Stereoviewers and function as an attachment to that instrument. A minimum of modification to the Stereoviewer is desirable, and the fixture shall be removable from the Stereoviewer, although a semi-permanent attachment is acceptable.

3.1.2. The fixture shall be flexible in some way as to allow independent Z axis motion of the stages of 1/2 inch to allow independent focusing of the stages.

3.1.3. The fixture shall ensure common X and Y axis motions throughout the entire present 2 X 3 inch translations of the chip stage. In this respect, it is of great importance that the device have precise motions with little backlash or lost motion (0.005 inch maximum) of one viewing stage with respect to the other. Motions shall be smooth and free of chatter.

3.1.4. The fixture shall incorporate, in addition to the common X and Y axis motions above, a differential motion of one viewing area with respect to the other of approximately + 1/4 inch in both the X and Y directions. These motions shall be precise with little backlash or lost motion (0.003 inch maximum) and shall be smooth and free of chatter.

3.1.5. The fixture shall include film holders at both viewing areas sufficient to accommodate a 4 X 5 inch film chip size, and which shall allow movement of the chip so as to permit viewing of any 2 X 3 inch area within the total area of the 4 X 5 inch chip.

3.1.6. The fixture shall ensure that the film chips remains in focus over the entire viewing area of the device. Minimum depth of focus is determined by that of a Fluotar 10X objective operating at a system magnification of 200X.

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3.2. Miscellaneous

3.2.1. One (1) complete set of engineering drawings, consisting of an assembly and details, shall be submitted with the prototype. These drawings shall accurately describe the device in its final configuration.

3.2.2. Subsequent production of the device, after evaluation and acceptance of the prototype, will be dependent upon the cost of the device relative to the cost of the Stereoviewer with which it is to be used. The cost proposal shall include estimates of unit manufacturing cost for quantities of 10, 25, 50, 100 and 200 fixtures.

3.2.3. Any special tools or fixtures required for operation of the device shall be considered as being a part of the prototype and shall be included in the cost proposal.

3.2.4. An artists conception of one possible configuration of the fixture has been attached to better illustrate the problem. One viewing area of the device could be attached to one stage of the Stereoviewer. Operation of the X and Y controls of that stage would cause the other viewing area to slide on its associated Stereoviewer stage and follow the X and Y motions of the driver stage. Hinges might be incorporated at each end of the connecting center piece to allow individual stage focus. Drive screws might be incorporated in the connecting center piece to provide for the differential X and Y axis motions.

3.2.5. Imaginative alternatives to the above fixture design are highly desirable and are solicited as are alternative methods of ensuring common and differential stage motions (e.g., a direct connection between the two stages of the Stereoviewer rather than a separate fixture).

3.2.6. A ☐ High-Power Stereoviewer will be made available to the contractor if necessary as Government furnished equipment for a reasonable period during the contract.

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Approved For Release 2005/02/17 : CIA-RDP78B04770A001400020013-2

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Specification No. DB-1001
Issue Date: 31 August 1966

CONTRACTUAL DOCUMENTATION TO BE SUPPLIED BY CONTRACTORS

1. SCOPE

- 1.1 This Specification covers the contractual documentation to be supplied by contractors in the performance of Research and Development contracts.

2. REQUIREMENTS

- 2.1 General - In order to maintain proper control the progress and funding of Research and Development contracts, it is necessary that certain orderly reporting be accomplished by the Contractor on a regularly scheduled basis.
- 2.1.1 All documentation submitted by the Contractor shall bear the control number assigned by the Contracting Officer's Technical Representative. This control number shall appear on all correspondence, reports, etc., submitted by the contractor under the contract.
- 2.2 Types of Reports - The following types of reports shall be submitted by the contractor. Specific reports shall include, but not necessarily be limited to, the designated information.
- 2.2.1 Monthly - A monthly report shall be prepared as of the last working day of each calendar month. The first monthly report shall be prepared as of the last working day of the first full calendar month subsequent to the date of contract. Monthly reports shall be mailed so as to reach the consignee(s), stated in the contract, not later than the first business day after the fifteenth of the month following the reporting period. Each Monthly report shall provide the following, with negative reporting if applicable.
- 2.2.1.1 A statement of the activity on the project during the month and the percentage of work completed as of the reporting date.

- 2.2.1.2 A statement of the planned activity for the next month.
- 2.2.1.3 A statement of pending, unresolved technical problems.
- 2.2.1.4 A statement of pending, unresolved contractual problems.
- 2.2.1.5 A statement for the record, of agreements or understandings reached orally during the reporting period on technical matters not requiring the approval of the Contracting Officer.
- 2.2.1.6 A statement of any proposed change, agreement or understanding which requires the approval of the Contracting Officer. The contractor is cautioned not to proceed in a situation requiring the prior approval of the Contracting Officer until such approval has been obtained. In situations requiring correspondence with the Contracting Officer, a complimentary copy shall be forwarded, simultaneously, directly to the Contracting Officer's Technical Representative.
- 2.2.1.7 A statement of unanswered, unresolved matters, unanswered correspondence, etc., and whether delinquency is attributed to the contractor or to the Government.
- 2.2.1.8 Status of funds. The format shown in Enclosure 1 shall be used to report the status of funds. All applicable items shall be reported. If no expenditures or obligations have been incurred for a specific item, the word "None" shall be entered in the space assigned for the dollar amount.
- 2.2.2 Final Report - The final report shall be submitted to the Contracting Officer's Technical Representative on or before the thirtieth day following completion of the work under the contract. This report shall cover the entire design and/or development work accomplished during the period of performance and shall contain a section covering the work performed under each of the tasks set forth in the Work Statements. The report shall state concisely but completely the major problems encountered, the apparent cause of the problems, the problem solutions and an evaluation of the solutions based on actual application of the solutions.

2.2.3 Installation Engineering Data - Whenever hardware is a deliverable item under a contract the contractor shall provide the Installation Engineering Data requested on Enclosure 2. The Contracting Officer's Technical Representative shall provide the blank forms to the Contractor. Preliminary data shall be submitted to the Contracting Officer's Technical Representative at six months and again at three months prior to the delivery date of the equipment. Final data shall be submitted by the contractor not less than thirty days prior to the delivery of the equipment.

2.2.3.1 The outline drawing, submitted with the Installation Engineering Data form shall show:

- (a) the orientation of the equipment within the work area for normal equipment useage.
- (b) the exact location of all external connections.
- (c) the clearance required around the equipment for access to all removeable panels, doors, etc.
- (d) the location of mounting points and type of mounting required.

2.3. Delivery of Reports - All monthly reports and the final report shall be forwarded by the contractor to the Consignee(s) specified in the contract. The contractor shall forward each report in the number of copies specified in the contract.

2.3.1 The Installation Engineering Data form plus the outline drawing shall be forwarded to the Contracting Officer's Technical Representative.

Statement of Funds as of 30 September 19XX (See Note 1)

EXPENDITURES

1. Labor:

a. Total paid as of 31 August 19XX	XX,XXX	
b. Paid during September 19XX	<u>X,XXX</u>	
c. Sub-total		XX,XXX

2. Material:

a. Total paid as of 31 August 19XX	X,XXX	
b. Paid during September 19XX	<u>XXX</u>	
c. Sub-total		X,XXX

3. Services (sub-contracts, etc.):

a. Total paid as of 31 August 19XX	X,XXX	
b. Paid during September 19XX	XXX	
c. Sub-total		<u>X,XXX</u>

4. Total expenditures as of 30 September 19XX		XX,XXX
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OBLIGATIONS AND ESTIMATES

5. Obligations:

a. Sub-contract W/ABC Co., amount not yet paid	X,XXX	
b. Sub-contract W/DEF Co., amount not yet paid	XXX	
c. Material ordered but not yet paid for	<u>XXX</u>	
Sub-total		X,XXX

6. Estimates of Future Expenditures:

a. Estimate of labor required	X,XXX	
b. Estimate of material required	XXX	
c. Proposed sub-contracts	<u>XXX</u>	
Sub-total		<u>X,XXX</u>
Total		XX,XXX

Specification No. DB-1001

NOTES:

1. All amounts shown above must include overhead, G&A, handling charges, fees, etc.

INSTALLATION ENGINEERING DATA

Date form completed _____

(See Remarks at end of form)

Tentative ☐ Valid until _____Final data ☐

I. INSTRUMENT

- A. Name of instrument: _____
B. Manufacturer: _____
C. Contract number: _____
D. Delivery date: Tentative: _____ Final: _____

II. PHYSICAL FEATURES

- A. Sub-assemblies:
1. Number of sub-assemblies: _____
2. Largest sub-assembly: Weight _____ lbs; _____" H x _____" W x _____" D
3. Heaviest sub-assembly: Weight _____ lbs; _____" H x _____" W x _____" D
B. Assembled instrument:
1. Number of major components: _____
2. Largest component: Weight _____ lbs; _____" H x _____" W x _____" D
3. Heaviest component: Weight _____ lbs; _____" H x _____" W x _____" D
4. Total floor space required after assembly, including maintenance access space. _____ Ft. _____ In. High x _____ Ft. _____ In. Wide x _____ Ft. _____ In. Deep.
5. Total weight of assembled instrument: _____ lbs.
C. Type of base of mount: Flat _____; 3-point suspension _____; 4-point suspension _____
D. Does the instrument have built-in mobility? Yes _____ No _____
E. Is the instrument particularly sensitive to vibration? Yes _____ No _____
Will the instrument generate vibration? Yes _____ No _____
F. Are any special or unusual tools or fixtures necessary or advisable for the installation of the maintenance of this instrument? Yes _____ No _____
If "Yes," please describe: _____

III. UTILITIES

- A. Electrical:
- | | | |
|--|---|----------------------------------|
| 1. Voltage | _____ Volts $\frac{AC}{/}$ _____ Volts | _____ Volts $\frac{DC}{/}$ _____ |
| 2. Current | _____ Amps/phase | _____ Amps |
| 3. Frequency | _____ cps | |
| 4. Nr. of phases | _____ Ph | |
| 5. Nr. of wires | _____ | |
| 6. Power required | _____ Watts | _____ Watts |
| 7. Power factor | _____ (Leading) (Lagging) | |
| 8. Type of outlet: | Two prong _____; three prong _____; Twist lock _____; Perm. _____ | |
| 9. Type of ground: | Building conduit _____; Direct earth ground _____ | |
| 10. Should the instrument be shielded, either from external electromagnetic signals or to prevent interference with other equipment? | Yes _____ No _____ | |
- If "Yes," to what extent? _____

B. Air conditioning:

1. Desired environment: Room air temperature of ____ °F / ____ °F and relative humidity of ____ % / ____ %.
2. Input Air: Is a direct connection necessary? Yes ____ No ____; Adviseable? Yes ____ No ____; If "Yes," what is the connector type and size? ____ Recommended input air temperature ____ °F / ____ °F. Relative humidity ____ % / ____ %. If input air must be filtered, what is the maximum particle size in microns? ____ What particle count? ____ / cu. ft.
3. Output Air: Is a direct connection to the return air duct necessary? Yes ____ No ____ Adviseable? Yes ____ No ____ Connector type and size? ____ Output air temperature ____ °F / ____ °F. Relative humidity ____ % / ____ %. Output heat ____ BTU/Hr. Flow of ____ CFM. Is output air toxic? Yes ____ No ____; Noxious? Yes ____ No ____.

C. Plumbing:

1. Is water required? Yes ____ No ____; Pressure ____ PSIG, flow ____ GPM.
2. Type of water required:
Tap ____ °F / ____ °F Deionized ____ °F / ____ °F
Tempered ____ °F / ____ °F Filtered ____ °F / ____ °F
If filtered, give maximum permissible particle size in microns and the maximum permissible count. ____ microns ____ particles/cu. ft.
3. Pipe required:
Galvanized ____ Copper ____ Size ____
Stainless Steel ____ Plastic ____ Type of connector ____
4. Floor drain:
Diameter of drain ____ Galvanized drain? ____
Plastic drain? ____ Glass drain? ____
5. Are any chemical solutions used in the device? Yes ____ No ____ If "Yes," state the nature of the solution(s), permissible temperature range, flow rate in appropriate units and the filtration necessary for each solution ____.
6. Size of pipes and connectors ____.

D. Compressed air:

Is compressed air required? Yes ____ No ____ Water free? ____ Oil Free? ____
Type and size of connector? ____ Pressure ____ PSIG. Flow in CFM ____
Maximum ____, minimum ____, average ____.

E. Vacuum:

Is vacuum required? Yes ____ No ____ Pressure ____ PSIA or (inches of water) (millimeters of mercury). Displacement in CFM, maximum ____, minimum ____, average ____ Type and Size of connectors ____.

F. Peripheral Devices:

Will the instrument be connected to any peripheral devices such as a computer or data input or data output device? Yes ____ No ____ If "Yes," give, in detail, the nature of the connection to the peripheral device such as coaxial cable, multiple wire connector, etc.

IV. REMARKS

- A. Use additional sheets if more space is required for environmental conditions or utilities not mentioned above.
- B. Submit three typed copies of the completed form to the Technical Representative.

- C. Attach three copies of a dimensioned outline drawing of each major component and of the completed assembly. Include the estimated weight of each major component and of the completed assembly. Indicate, on the outline drawing of the completed assembly, the space required for access to the instrument for maintenance.
- D. If a question does not apply to the instrument, insert "N/A" (Not Applicable) in the appropriate blank space.

Information provided by:

(Signature)

(Position or job title)